

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	("20050116675").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 17:13
S3	2	("20050116675").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/10/01 17:14
S4	1	S3 and rotor and stator and commutat\$4 and winding and magnet	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:15
S5	346	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:22
S6	57	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/26 15:54
S7	57	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase coil) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:28

## EAST Search History

S8	68	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase coil) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:34
S9	1713	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding coil) and phase (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:36
S10	1953	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding coil) and phase (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:37
S11	58	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:39
S12	49	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4)) and ("3"\$1 three\$2 ) adj2 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 17:43

## EAST Search History

S13	50	318/439.ccls. and rotor and stator and commutat\$4 and (coil winding ) and (permanent near4 magnet\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4)) and (("3"\$1 three\$2 ) adj2 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 19:18
S14	1	318/439.ccls. and rotor and stator and commutat\$4 and (coil winding ) and (permanent near4 magnet\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4)) and ( (winding stator) near4 (no\$2 adj connect\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 18:03
S15	15	rotor and stator and commutat\$4 and (coil winding ) and (permanent near4 magnets\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnets\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4)) and ( (winding stator coil) near9 (no\$2 adj2 connect\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 18:47
S18	33	318/439.ccls. and rotor and stator and commutat\$4 and (coil winding ) and (permanent near4 magnet\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4)) and (("3"\$1 three\$2 ) adj2 phase) and (series serial\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 02:52

## EAST Search History

S19	0	318/439.ccls. and rotor and stator and commutat\$4 and (coil winding ) and (permanent near4 magnet\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4)) and ((3"\$1 three\$2 ) adj2 phase) and (series serial\$4) and (no\$2 adj2 ((over\$2 adj2 lap\$4) (lap\$4)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/01 19:21
S20	24	318/439.ccls. and rotor and stator and commutat\$4 and (permanent near4 magnet\$4) and (winding coil) and phase and (hall\$4 (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding coil)) and (rotor near4 magnet\$4 ) and ((winding coil) near4 (isolat\$4 separat\$4 spac\$4)) and (( three\$2 ) adj2 phase) and (series serial\$4) and (((two\$2 second) near4 (winding coil)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:09
S21	21	318/439.ccls. and ((two near4 winding) near4 (group set)) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:12
S22	15	318/439.ccls. and ((two near4 winding) near4 (group set)) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 ) adj2 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:15
S23	11	"310"/\$7.ccls. and ((two near4 winding) near4 (group set)) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 ) adj2 phase) and (((two near4 winding) near4 (group set)) near4 stator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:20

## EAST Search History

S24	10	"310"/\$7.ccls. and ((two near4 winding) near4 (group set)) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 ) adj2 phase) and (((two near4 winding) near4 (group set)) near4 stator) and (serial series)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:24
S25	10.	"310"/\$7.ccls. and ((two near4 winding) near4 (group set)) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 ) adj2 phase) and (((two near4 winding) near4 (group set)) near4 stator) and (serial series) and (winding coil) and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:39
S26	14	"310"/\$7.ccls. and (((two second) near4 winding) near4 (group set pair)) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 "3"\$2 ) adj2 phase) and (((two near4 winding) near4 (group set pair)) near4 stator) and (serial series) and (winding coil) and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 03:51
S27	28	"318"/\$7.ccls. and (((two second) near4 winding) near4 (group set pair)) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 "3"\$2 ) adj2 phase) and (((two near4 winding) near4 (group set pair)) near4 stator) and (serial series) and (winding coil) and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 04:00

## EAST Search History

S28	19	"318"/\$7.cccls. and ((two second) near4 phase) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 "3"\$2 ) adj2 phase) and (((two near4 winding) near4 (group set pair)) near4 stator) and (serial series) and (winding coil) and phase	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 04:07
S29	31	((two second) near4 phase) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 "3"\$2 ) adj2 phase) and (((two near4 winding) near4 (group set pair)) near4 stator) and (serial series) and (winding coil) and phase and ((three "3"\$1) near4 winding)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 04:11
S30	8	((two second) near4 phase) and (rotor near4 magnet\$4) and (hall (position\$4 near4 (sens\$4 detect\$4 monitor\$4 ))) and stator and rotor and (commutat\$4) and ((three\$2 u\$1 v\$1 w\$1 "3"\$2 ) adj2 phase) and (((two near4 winding) near4 (group set pair)) near4 stator) and (serial series) and (winding coil) and phase and ((three "3"\$1) near4 coil)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/02 04:11
S31	31	318/439.cccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 05:57
S32	6	("5670856") or ("5953491") or ("5965212").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/10 05:49

## EAST Search History

S33	1	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and isolat\$4 and interlac\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:00
S34	1	318/439 and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and isolat\$4 and (noninterlac\$4 interlac\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 05:59
S35	1	"318"/\$ and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and isolat\$4 and (noninterlac\$4 interlac\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 05:59
S36	1	rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and isolat\$4 and (noninterlac\$4 interlac\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 05:59

## EAST Search History

S37	9	318/439.ccls. and rotor and stator and commutat\$4 and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and isolat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 08:20
S38	37	318/439.ccls. and rotor and stator and winding and (permanent near4 magnet\$4) and (winding phase) and (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:23
S39	21	318/439.ccls. and rotor and stator and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and (winding near4 (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:51
S40	19	318/439.ccls. and rotor and stator and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and (winding near4 (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)))) and (pwm commutat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:41

## EAST Search History

S41	168	318/439.ccls. and isolat\$4 (noninterlac\$4 (non\$2 adj2 interlac\$4)) and rotor and stator and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and (winding near4 (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)))) ) and (pwm commutat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:42
S42	1	318/439.ccls. and isolat\$4 and (noninterlac\$4 (non\$2 adj2 interlac\$4)) and rotor and stator and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and (winding near4 (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)))) ) and (pwm commutat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:42
S43	1	isolat\$4 and (noninterlac\$4 (non\$2 adj2 interlac\$4)) and rotor and stator and winding and (permanent near4 magnets\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnets\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4)) and (three\$2 adj2 phase) and (winding near4 (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4)))) ) and (pwm commutat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:42

## EAST Search History

S44	1	isolat\$4 and (noninterlac\$4 (non\$2 adj2 interlac\$4)) and rotor and stator and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (three\$2 adj2 phase) and (winding near4 (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) ) and (pwm commutat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:43
S45	1	isolat\$4 and (noninterlac\$4 (non\$2 adj2 interlac\$4)) and rotor and stator and winding and (winding near4 (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) ) and (pwm commutat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:44
S46	3	isolat\$4 and (noninterlac\$4 (non\$2 adj2 interlac\$4)) and rotor and stator and winding	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:46
S47	7	(noninterlac\$4 (non\$2 adj2 interlac\$4)) and rotor and stator and winding	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:47
S48	2	318/439.ccls. and rotor and stator and (stator near4 sector) and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 06:56
S49	4	318/439 and rotor and stator and (stator near4 sector) and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 07:10

## EAST Search History

S50	10	"318"/\$.ccls. and rotor and stator and (stator near4 sector) and winding and (permanent near4 magnet\$4) and (winding phase) and (hall (position\$4 near4 (sens\$4 detect\$4 measur\$4 monitor\$4 recogniz\$4))) and (stator near4 (winding phase)) and (rotor near4 magnet\$4 ) and (winding near4 (isolat\$4 separat\$4 spac\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 07:28
S51	24	"4450396"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 07:32
S52	21	"4450396" and stator and winding	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 08:04
S53	41	((("4480218") or ("4654566") or ("5202614") or ("5245238") or ("5260642") or ("5423192") or ("5473240") or ("5481166") or ("5517095") or ("5739652") or ("5751131") or ("5859520") or ("6163127") or ("6184647") or ("6208110") or ("6236183") or ("6326752") or ("6326760") or ("6486633") or ("6528967") or ("6548976")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/12/11 07:23
S54	6	318/439.ccls. and rotor and stator and commutat\$4 and winding and (sector near4 stator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 08:22
S55	10	318/439 and rotor and stator and commutat\$4 and winding and (sector near4 stator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 08:24
S56	41	"318"/\$.ccls. and rotor and stator and commutat\$4 and winding and (sector near4 stator)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/10 08:25
S57	352	isolat\$4 and stator and rotor and winding and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4)) hall) and (electrical\$4 near9 isolat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 19:33

## EAST Search History

S58	110	isolat\$4 and stator and rotor and winding and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4)) hall) and (electrical\$4 near9 isolat\$4) and (second near4 winding)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 19:33
S59	9	isolat\$4 and stator and rotor and winding and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4)) hall) and (electrical\$4 near9 isolat\$4) and (second near4 winding) and ((multiphase (multi\$2 adj2 phase)) near4 winding)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 19:38
S60	2	(winding near4 isolat\$4) and stator and rotor and winding and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4)) hall) and (electrical\$4 near9 isolat\$4) and (second near4 winding) and ((multiphase (multi\$2 adj2 phase)) near4 winding)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 19:42
S61	38	(winding near4 isolat\$4) and stator and rotor and winding and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4)) hall) and (electrical\$4 near9 isolat\$4) and (second near4 winding)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/11 04:49
S62	44	(winding near4 isolat\$4) and stator and rotor and winding and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4)) hall) and ((magnetic\$4 magnetically electrical\$4) near9 isolat\$4) and (second near4 winding)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/10 19:46
S63	0	("6788031").URPN.	USPAT	OR	ON	2006/12/11 04:49
S64	27	("4132932"   "4152630"   "4187457"   "4228391"   "4242628"   "4417194"   "4484125"   "4761602"   "4786853"   "4792740"   "4808868"   "4896063"   "4959573"   "5039933"   "5065305"   "5134332"   "5300870"   "5424626"   "5434496"   "5486739"   "5545965"   "5598079"   "5986438"   "6020725"   "6049188"   "6331760"   "6356041").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/11 04:46
S65	0	S64 and stator and rotor and winding and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4)) hall) and (electrical\$4 near9 isolat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/11 04:50

## EAST Search History

S66	0	S64 and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4) hall) and (electrical\$4 near9 isolat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/11 04:50
S67	0	S64 and ((position\$4 near4 (sens\$4 detect\$4 monitor\$4) decod\$4 resolv\$4) hall) and (electrical\$4 near9 isolat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/11 04:51
S68	1	S64 and ((position\$4 same (sens\$4 detect\$4 monitor\$4) decod\$4 resolv\$4) hall) and (electrical\$4 near9 isolat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/11 04:51
S69	2	"20020185926"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/12/11 07:23